

FIG. 1

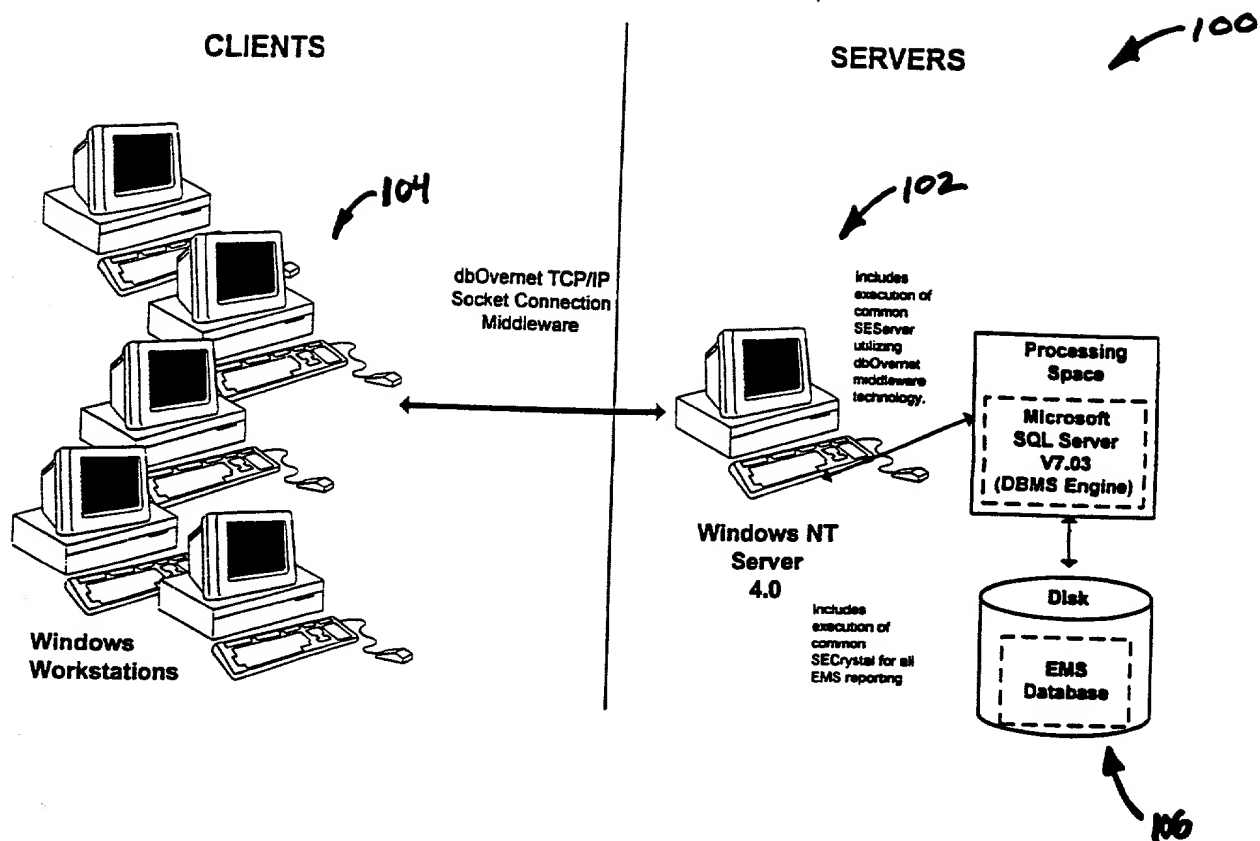


FIG. 2

Companies Subject Area (ERD)

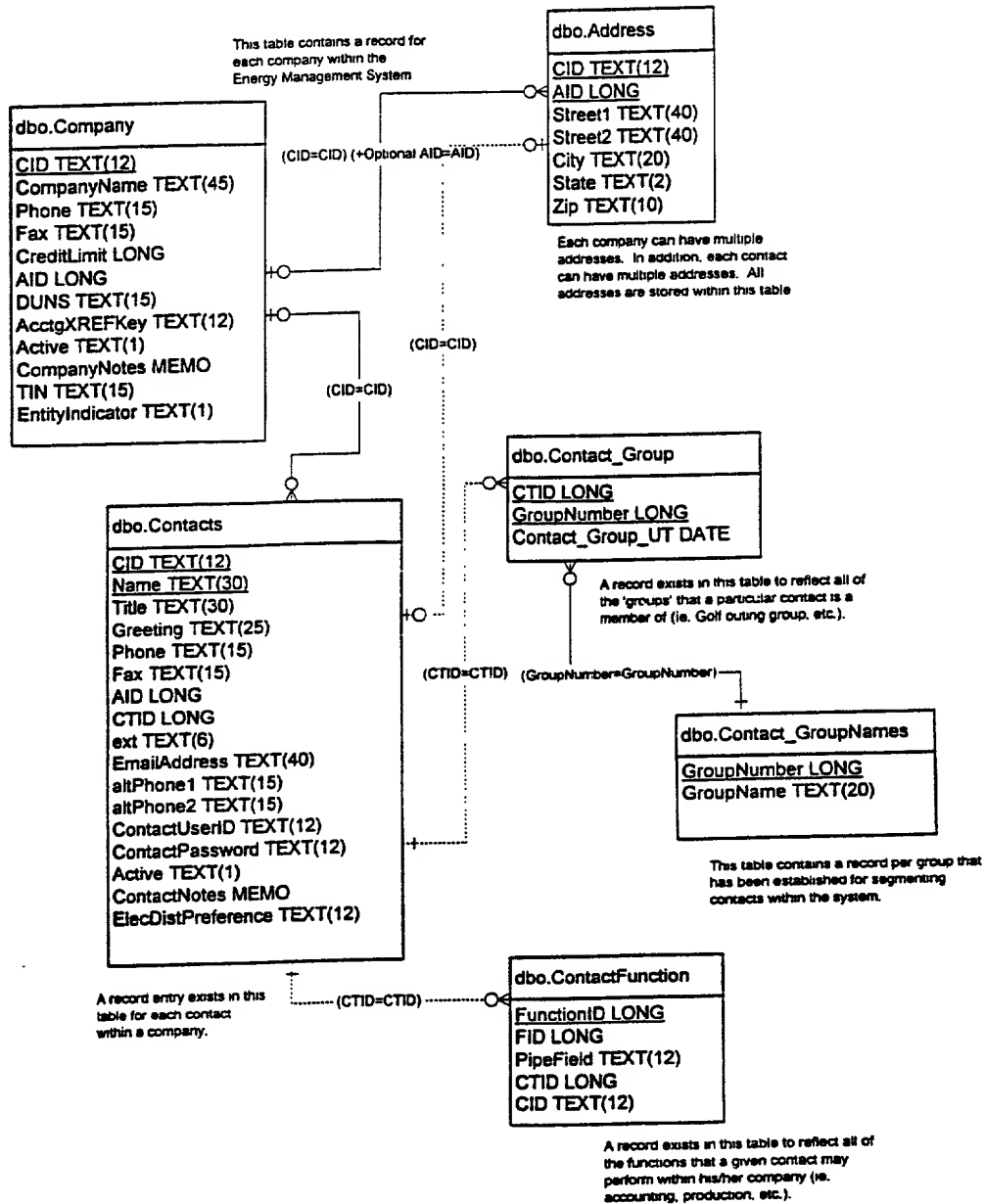


FIG. 3A

Contracts Subject Area (ERD)

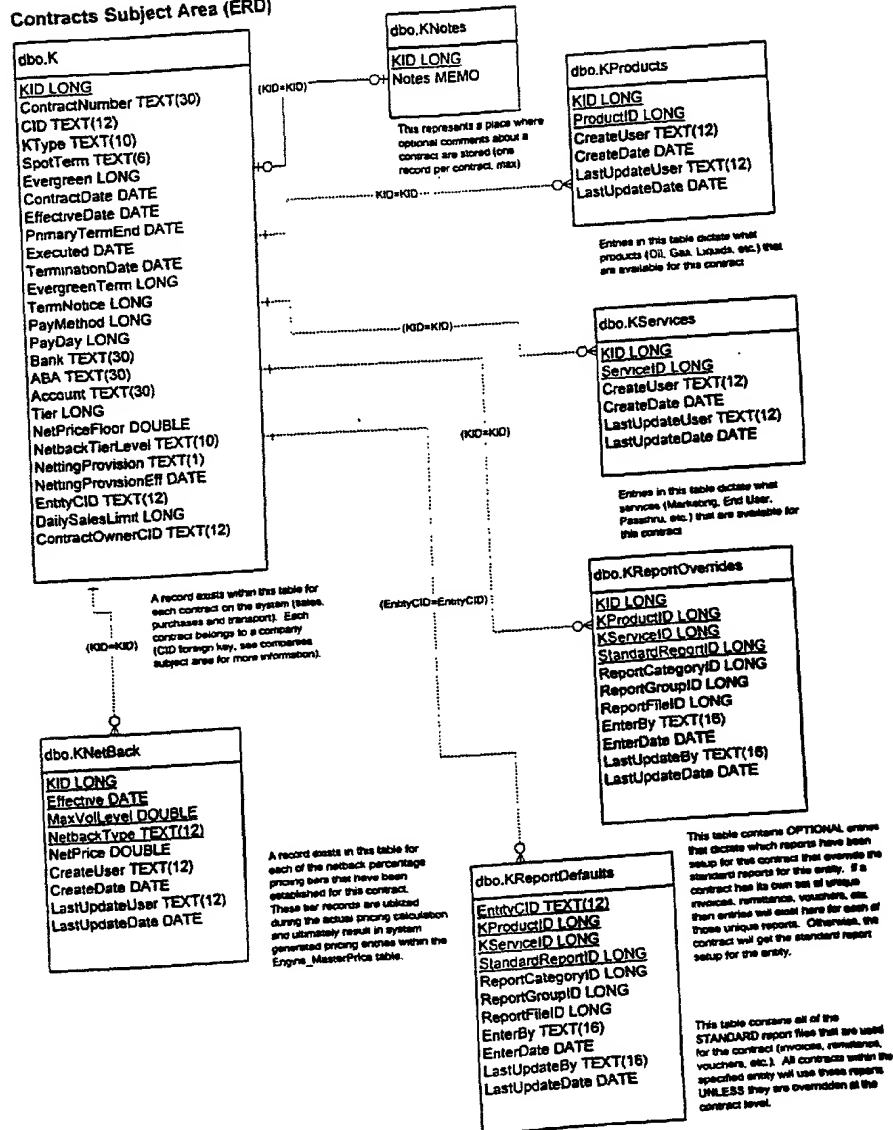


FIG. 3B

Deals Subject Area (ERD) (1 of 2)

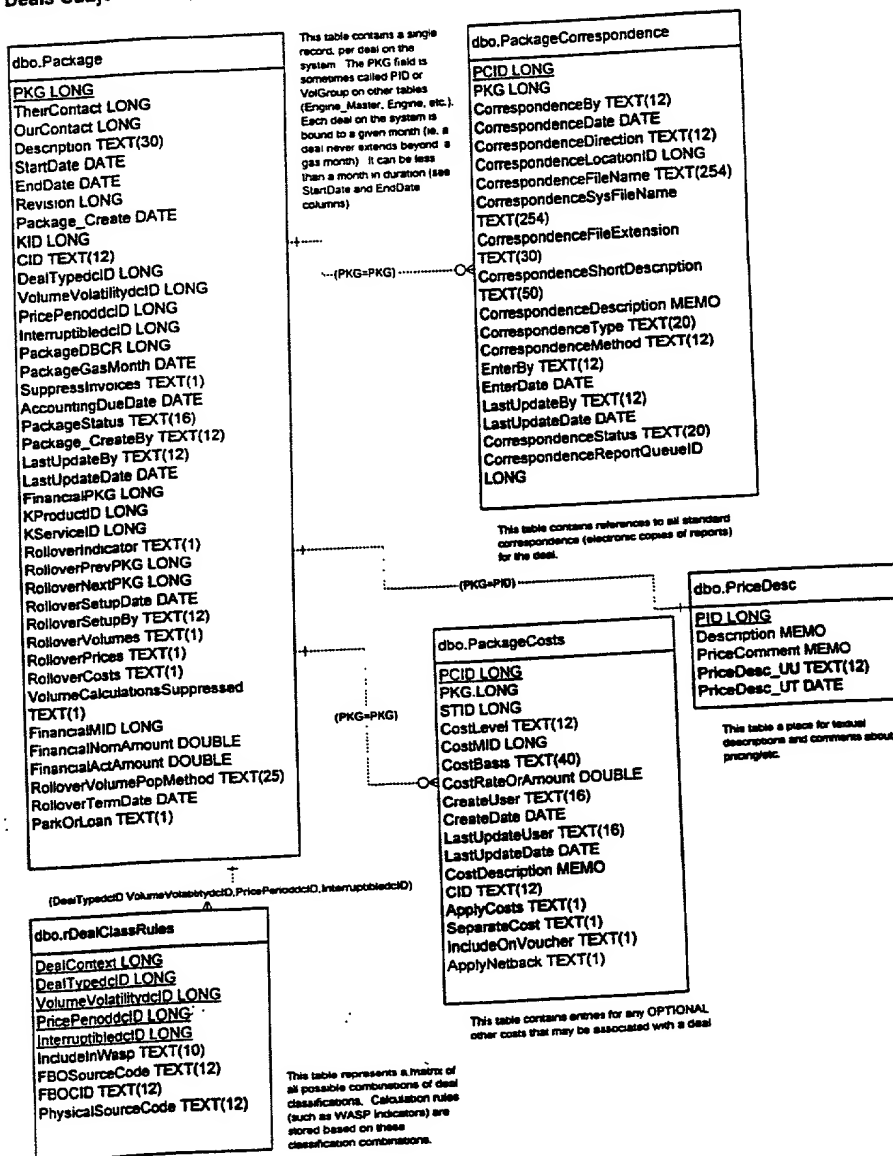


FIG. 3C

Deals Subject Area (ERD) (2 of 2)

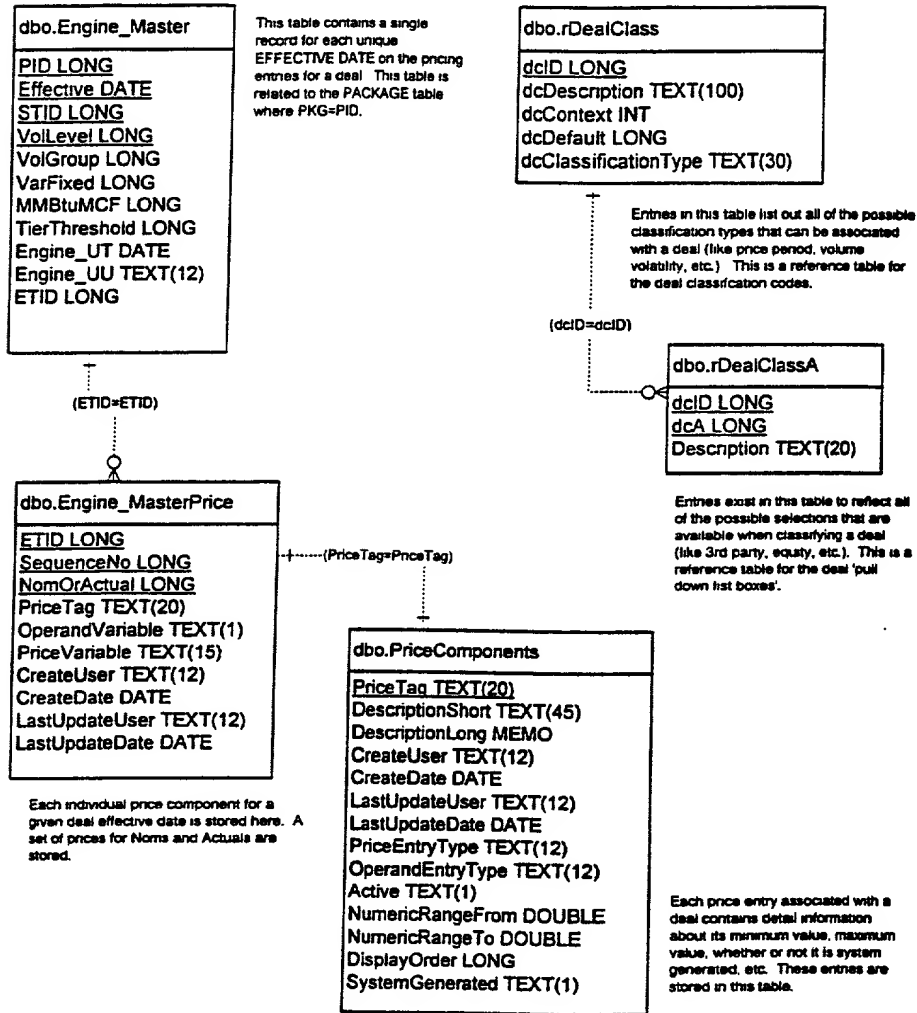


FIG. 3D

Gas Inventory Subject Area (ERD) (1 of 2)

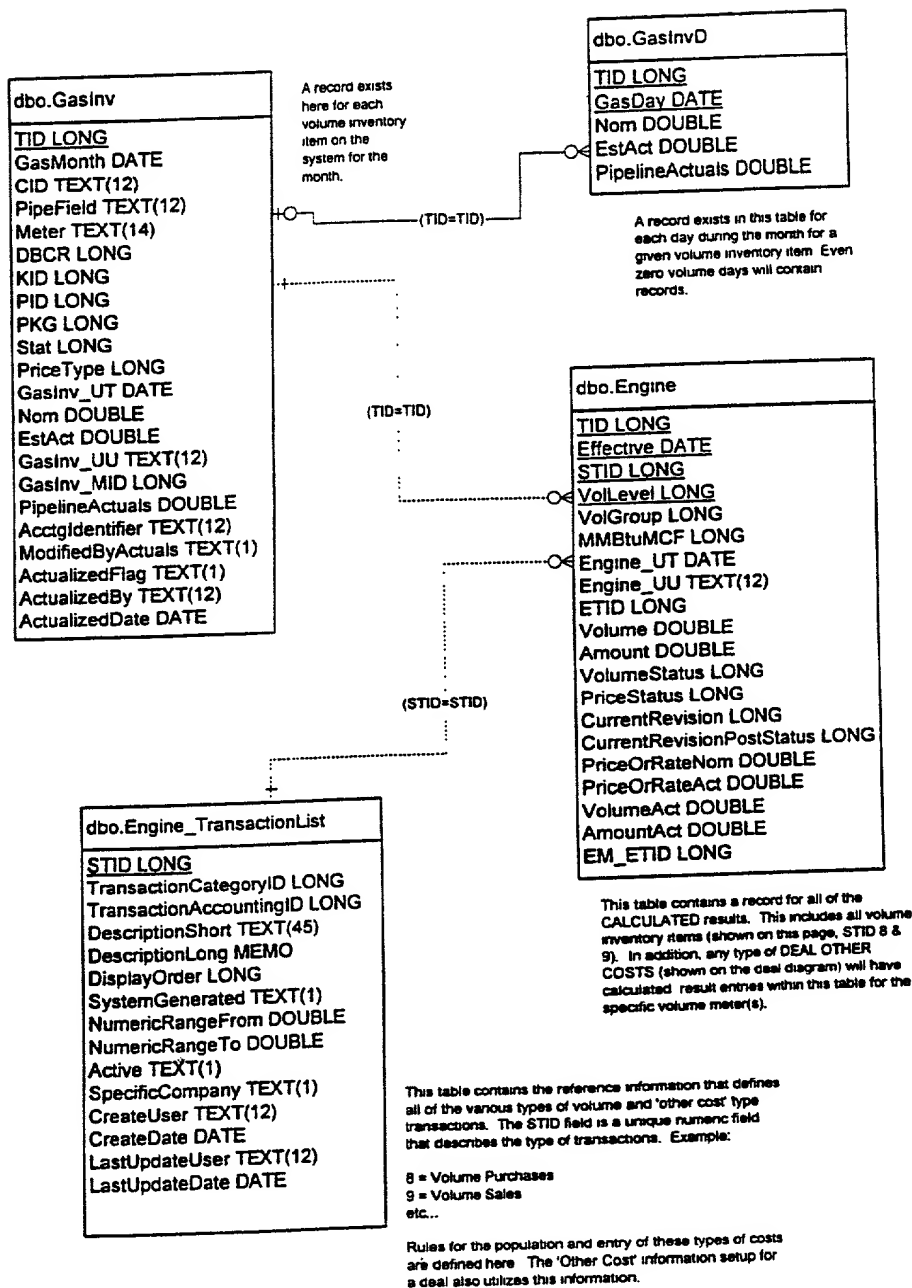


FIG. 3E

Gas Inventory Subject Area (ERD) (2 of 2)

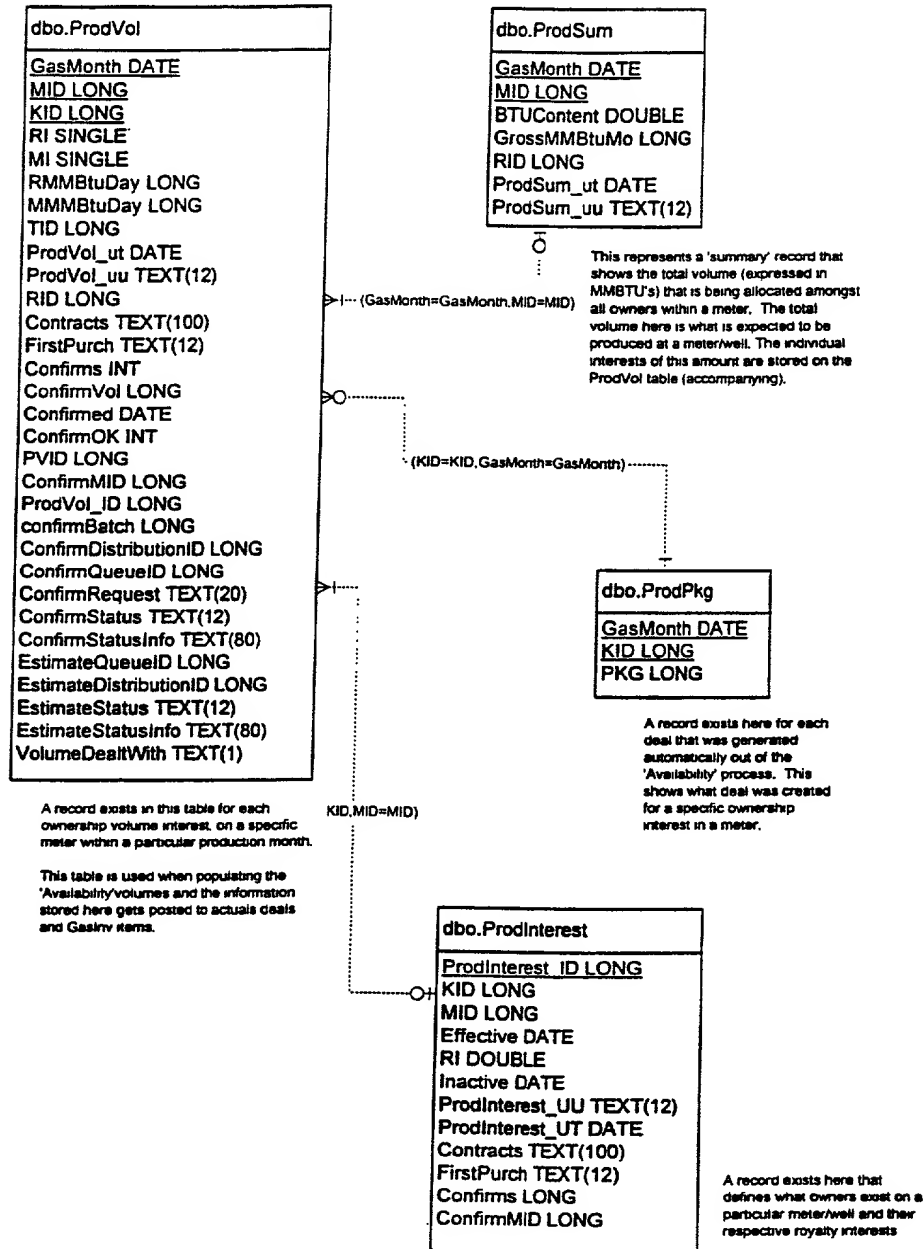


FIG. 3F

Operational Subject Area – 1 of 4 (ERD)

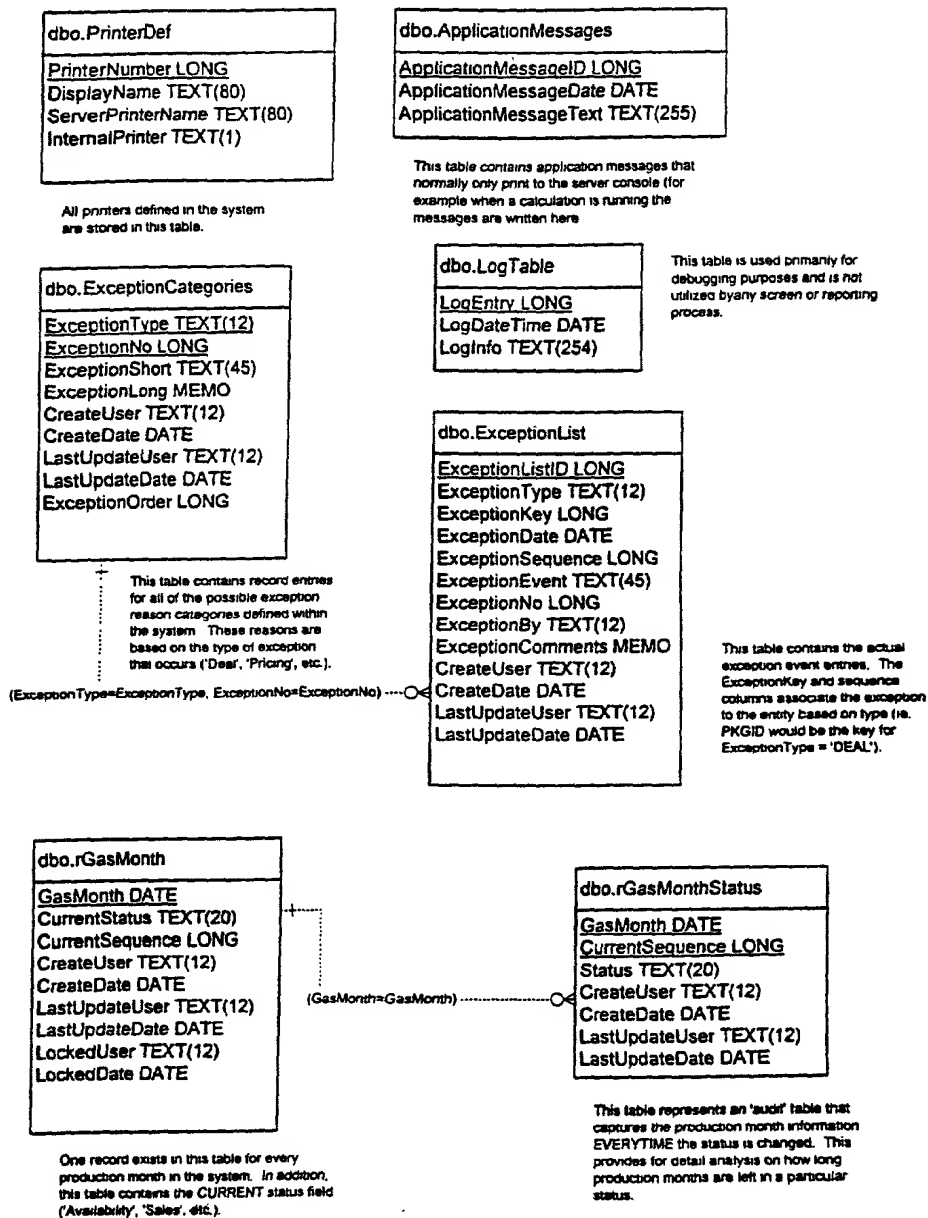


FIG. 3G

Operational Subject Area – 2 of 4 (ERD)

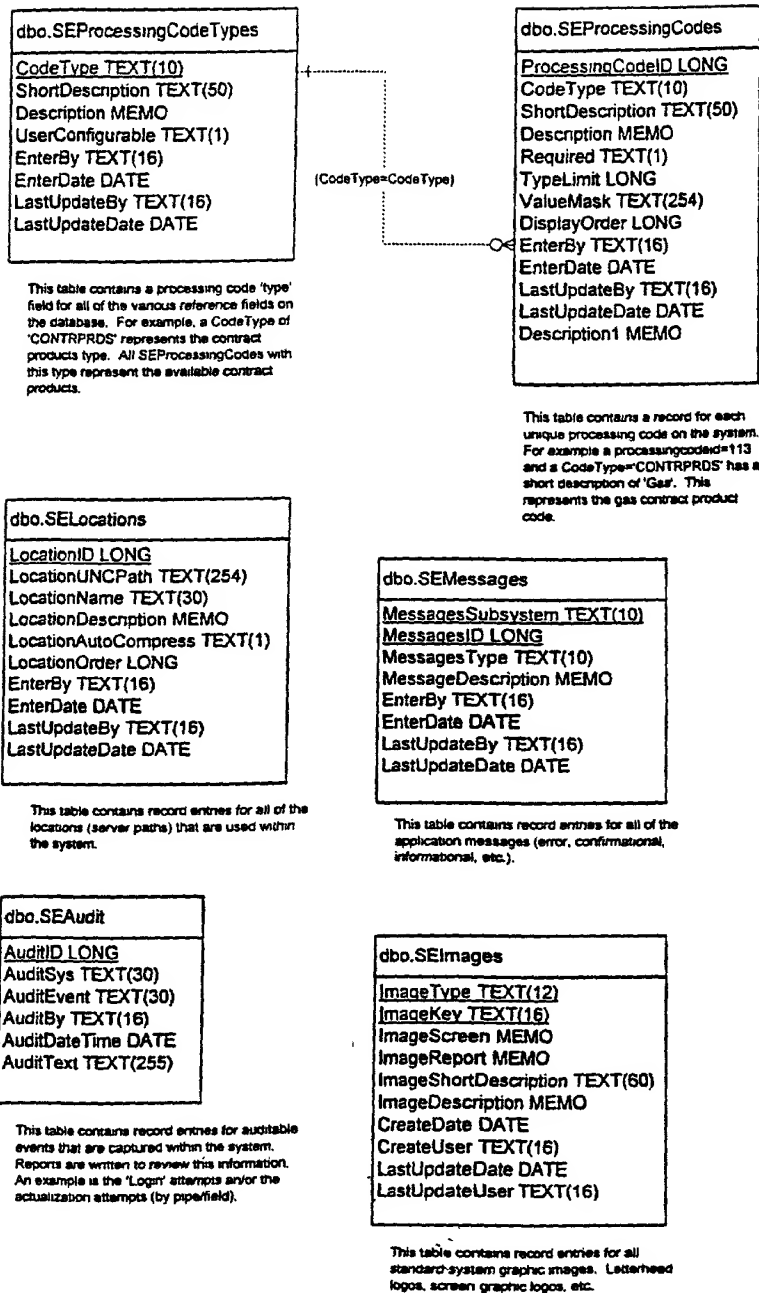


FIG. 3H

Operational Subject Area – 3 of 4 (ERD)

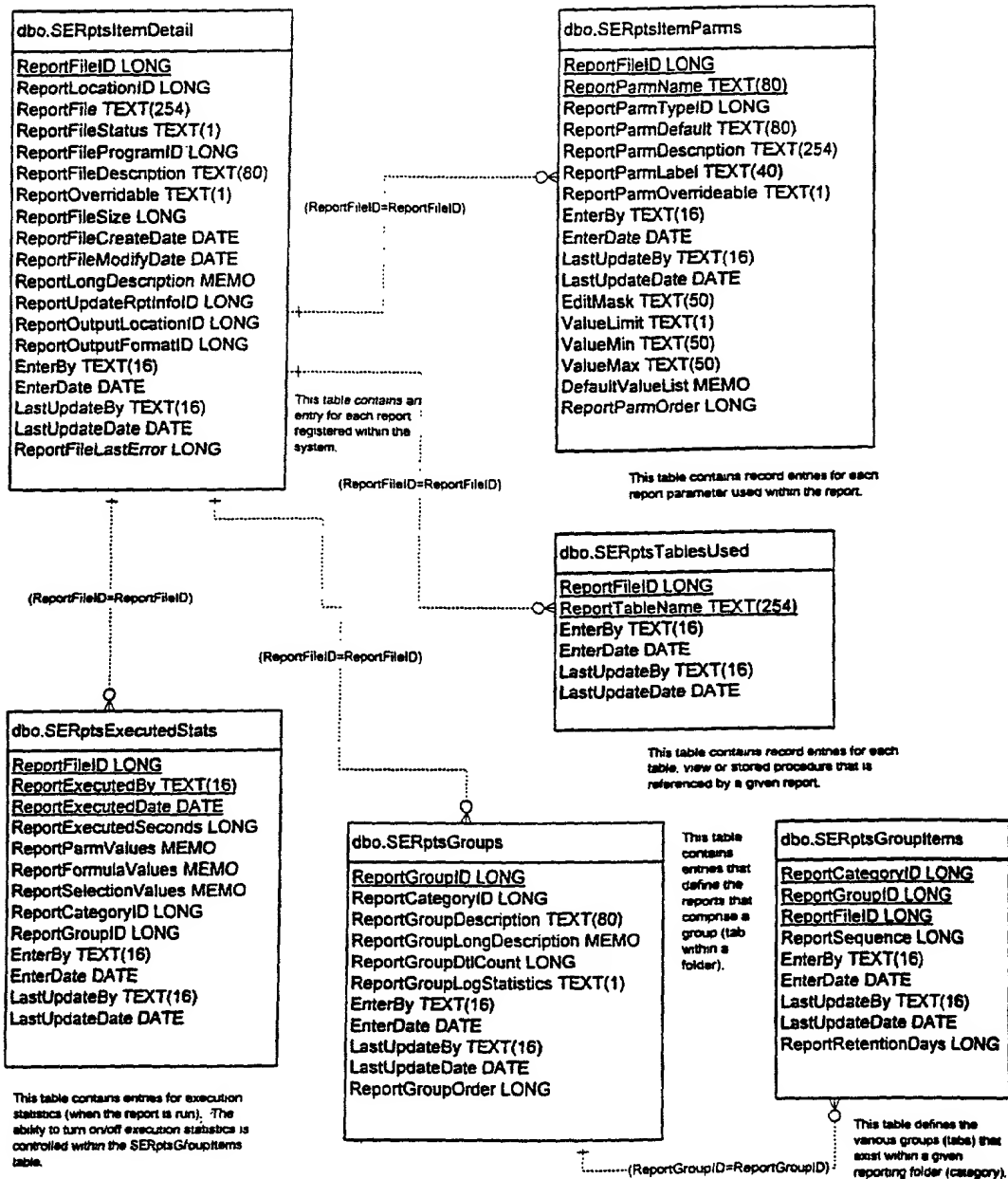


FIG. 31

dbo.SERptsQueue

- ReportQueueID LONG
- ReportQueueDate DATE
- ReportQueueBy TEXT(16)
- ReportQueueScheduleID LONG
- ReportQueueCategoryID LONG
- ReportQueueGroupID LONG
- ReportQueueStatusID LONG
- ReportQueueParms MEMO
- ReportQueueFormulas MEMO
- ReportQueueSelection MEMO
- ReportQueueRollOff DATE
- ReportQueueNotifyInd TEXT(1)
- ReportQueueEngineStatus LONG
- ReportQueueEngineMessage MEMO
- ReportQueueOutputFormatID LONG
- ReportQueueOutputLocationID LONG
- EnterBy TEXT(16)
- EnterDate DATE
- LastUpdateBy TEXT(16)
- LastUpdateDate DATE
- ReportQueueFileID LONG

This table contains an entry for each report submission request.

dbo.SERptsQueueNotify

- ReportQueueID LONG
- ReportQueueUserID TEXT(16)
- ReportQueueNotifyStatusID LONG
- EnterBy TEXT(16)
- EnterDate DATE
- LastUpdateBy TEXT(16)
- LastUpdateDate DATE

This table contains an entry for each user that needs to be notified when a report has completed running.

dbo.SERptsScheduledReports

- ReportScheduleID LONG
- ReportScheduleGroupID LONG
- EnterBy TEXT(16)
- EnterDate DATE
- LastUpdateBy TEXT(16)
- LastUpdateDate DATE

This table contains entries for each group that has access to a given scheduled report.

dbo.SERptsQueueDistribute

- QID LONG
- ReportQueueID LONG
- ReportDistStatus TEXT(1)
- ReportDistType TEXT(30)
- ReportDistLocation TEXT(255)
- ReportDistParameter TEXT(255)
- ReportDistCompleteTime DATE
- ReportDistCompleteStatus TEXT(1)
- ReportDistCompleteErrorCode LONG
- ReportDistCompleteErrorText TEXT(255)
- EnterBy TEXT(16)
- EnterDate DATE
- LastUpdateBy TEXT(16)
- LastUpdateDate DATE
- ReportDistRecipient TEXT(60)
- ReportDistSubject TEXT(40)

This table contains record entries whenever a fax, email or request to printer is made from a report queue item.

dbo.SERptsSchedule

- ReportScheduleID LONG
- ReportScheduleDescription TEXT(254)
- ReportScheduleOutputFormatID LONG
- ReportScheduleRetentionDays LONG
- ReportScheduleFrequency LONG
- ReportScheduleTimeDay LONG
- ReportScheduleCategoryID LONG
- ReportScheduleGroupID LONG
- ReportScheduleParms MEMO
- ReportScheduleFormulas MEMO
- ReportScheduleSelection MEMO
- ReportScheduleNotifyInd TEXT(1)
- ReportLastQueueID LONG
- ReportLastQueueDate DATE
- EnterBy TEXT(16)
- EnterDate DATE
- LastUpdateBy TEXT(16)
- LastUpdateDate DATE
- ReportScheduleFileID LONG
- ReportScheduleNext DATE
- ReportScheduleOutputLocationID LONG

This table contains an entry for each report submission request.

dbo.SERptsScheduleGroups

- ReportScheduleGroupID LONG
- ReportScheduleGroupShortDesc TEXT(50)
- ReportScheduleGroupLongDesc MEMO
- EnterBy TEXT(16)
- EnterDate DATE
- LastUpdateBy TEXT(16)
- LastUpdateDate DATE

This table contains entries for each unique reporting group defined on the system.

dbo.SERptsScheduleUserGroups

- ReportScheduleGroupID LONG
- ReportUserID TEXT(16)
- EnterBy TEXT(16)
- EnterDate DATE
- LastUpdateBy TEXT(16)
- LastUpdateDate DATE

This table defines all of the users within a reporting group.

Relationships:

- dbo.SERptsQueue (1) to (N) dbo.SERptsQueueNotify (ReportQueueID=ReportQueueID)
- dbo.SERptsQueue (1) to (N) dbo.SERptsSchedule (ReportQueueID=ReportQueueID)
- dbo.SERptsQueue (1) to (N) dbo.SERptsQueueDistribute (QID=ReportQueueID)
- dbo.SERptsSchedule (1) to (N) dbo.SERptsScheduleGroups (ReportScheduleGroupID=ReportScheduleGroupID)
- dbo.SERptsScheduleGroups (1) to (N) dbo.SERptsScheduleUserGroups (ReportScheduleGroupID=ReportScheduleGroupID)

FIG. 3J

Pipes & Meters Subject Area (ERD)

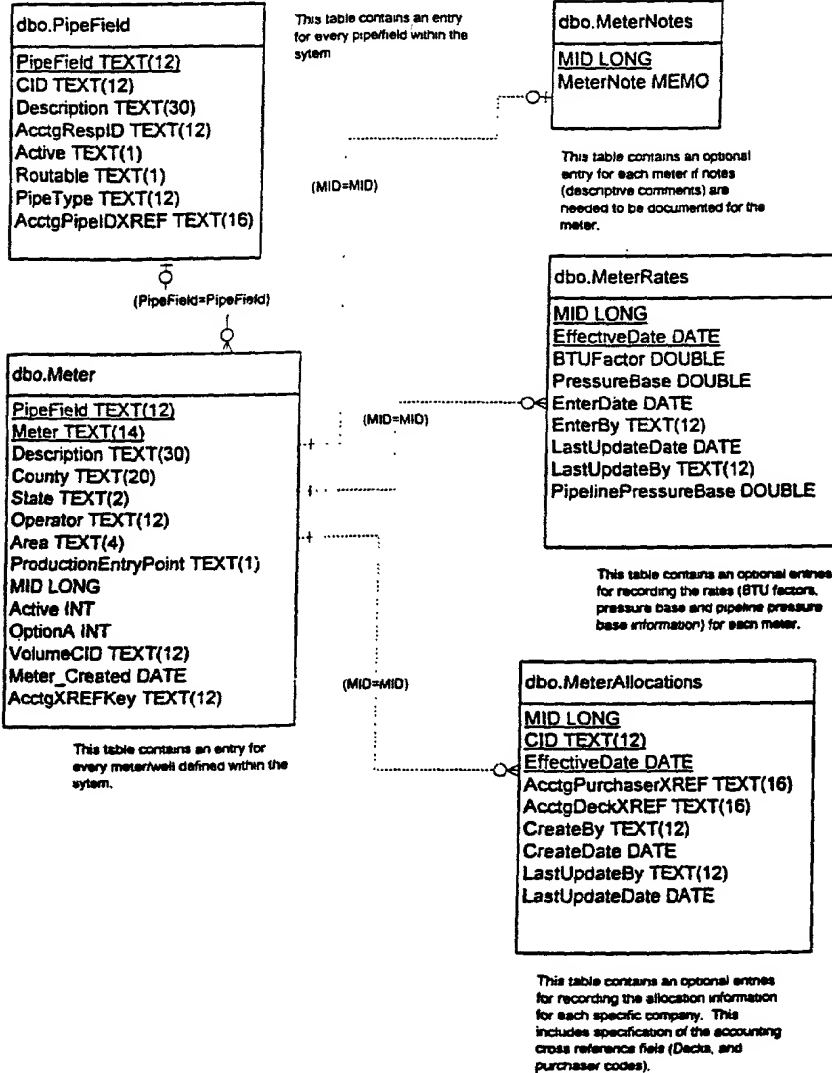


FIG. 3K

Pricing Subject Area (ERD)

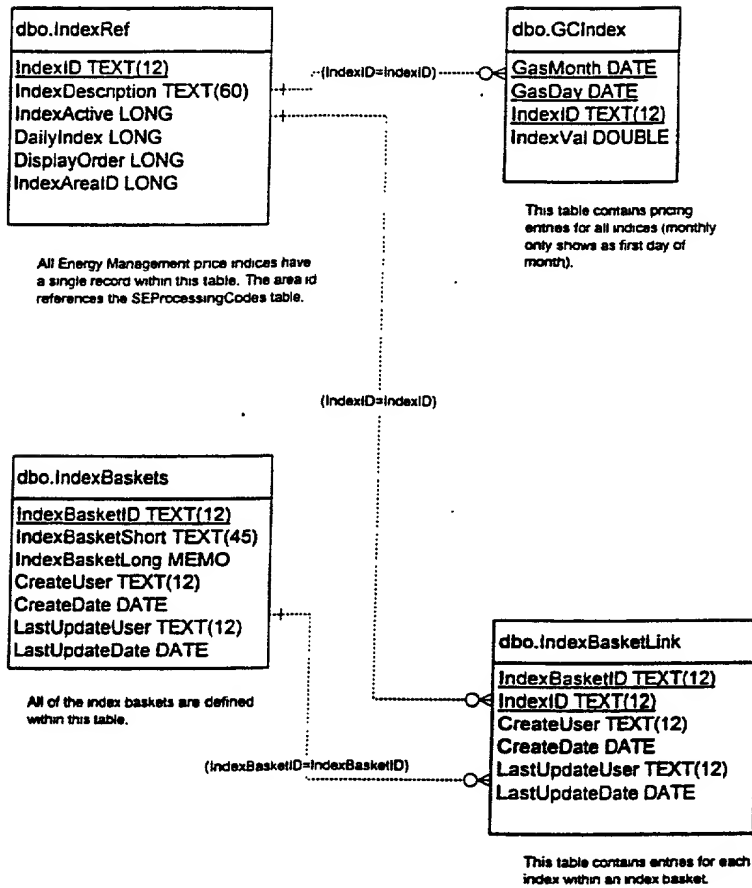


FIG. 3L

Routing Subject Area (ERD)

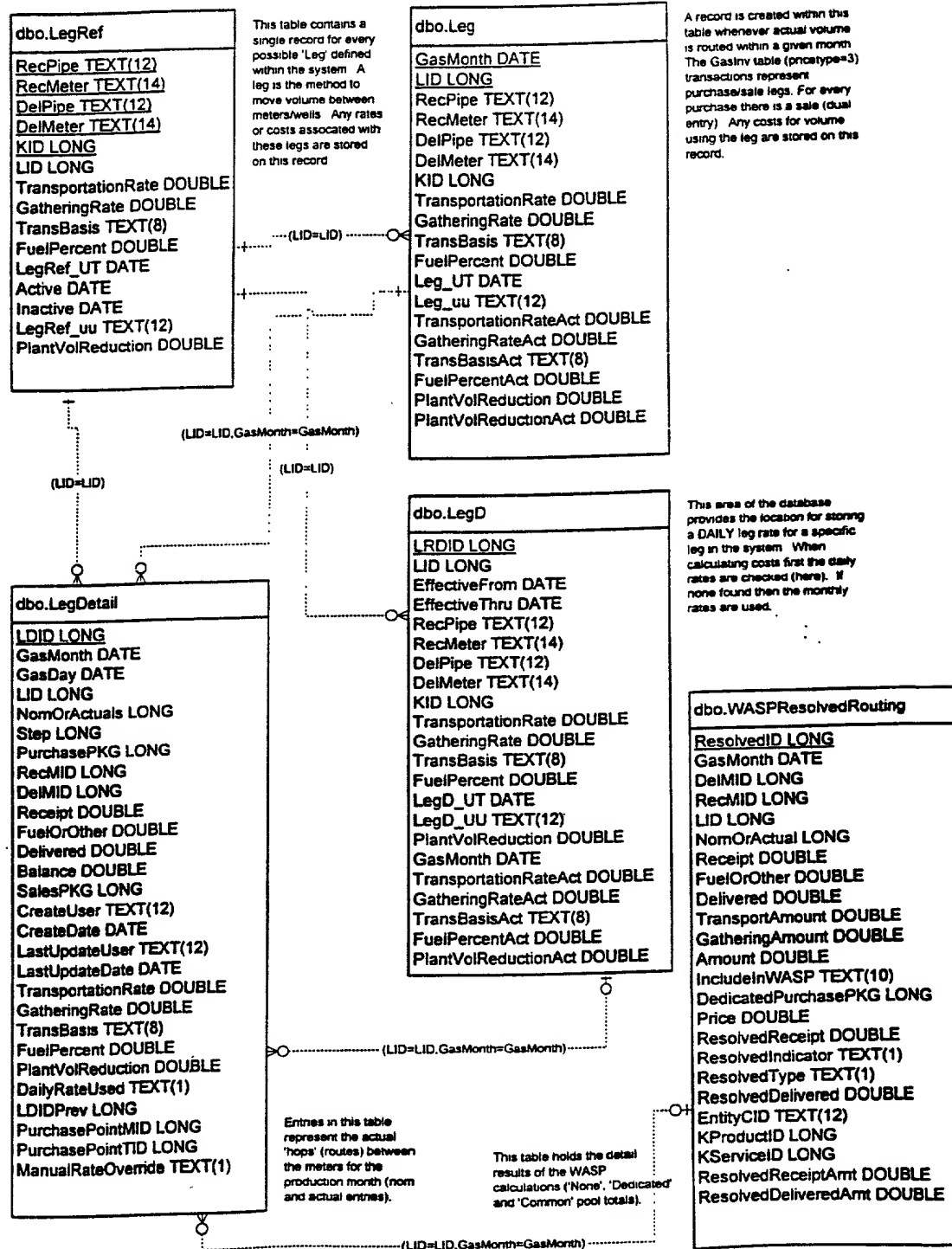


FIG. 3M

Security Subject Area (ERD)

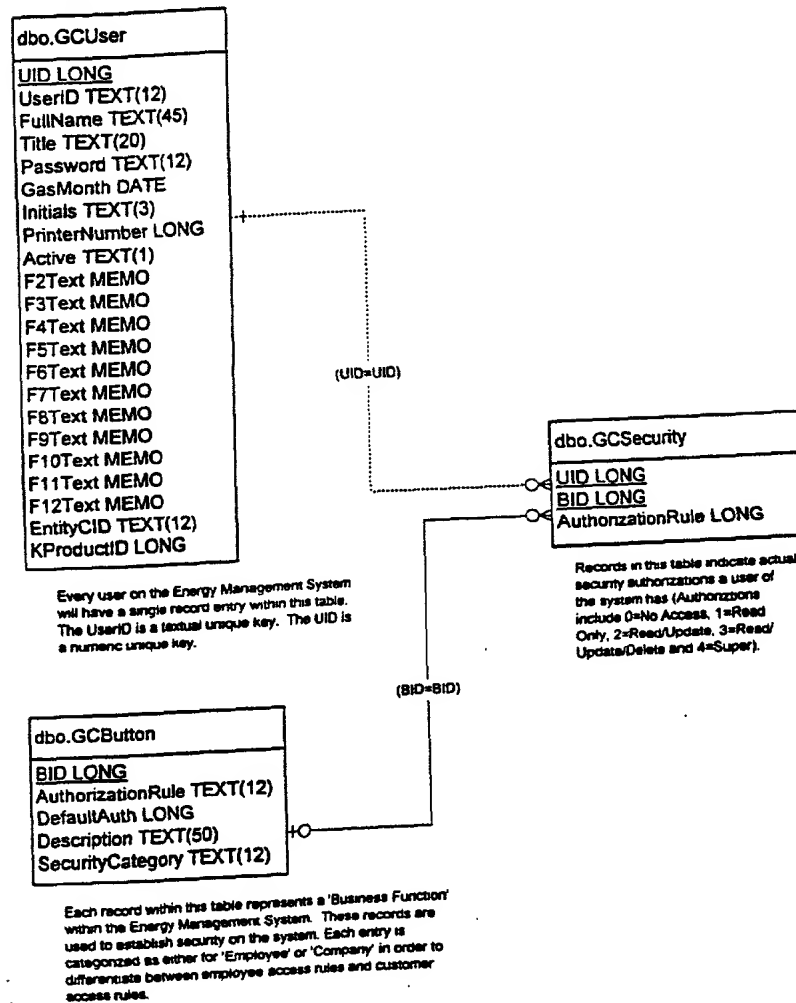


FIG. 3N

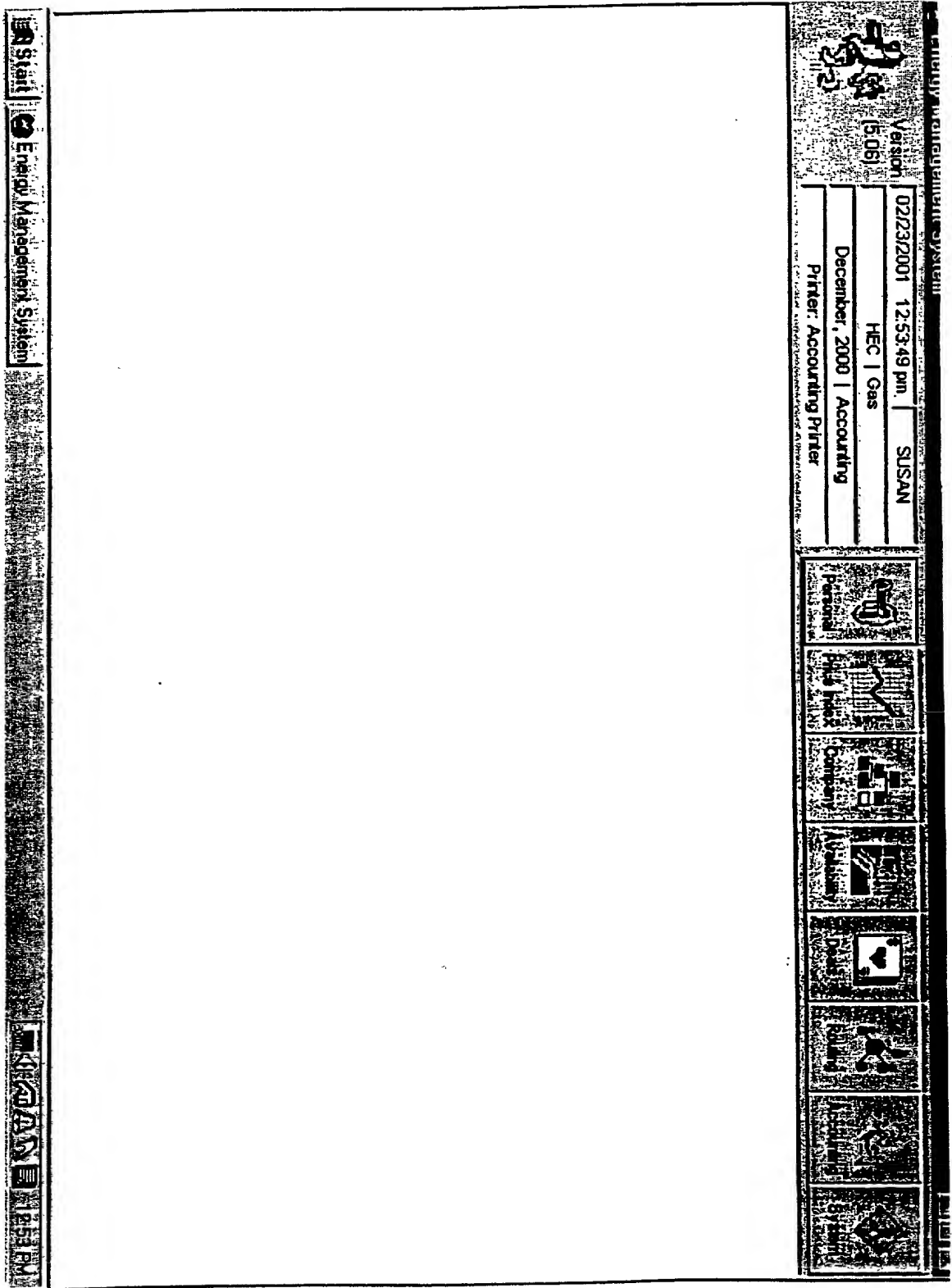



FIG. 4A

09895011.123101



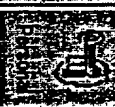





Version (5.06)

02/23/2001 12:54:37 pm SUSAN

HEC | Gas

December, 2000 | Accounting

Printer: Accounting Printer

User Profile Detail - (Change)

General

Full Name

SUSAN

Dr. of Client Svcs

Susan Sims

Business

December / 2000

Product

Gas

Initials


SS


Printer Number

Accounting Printer

Internal User ID

2448







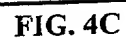



FIG. 4B

09895011.123101



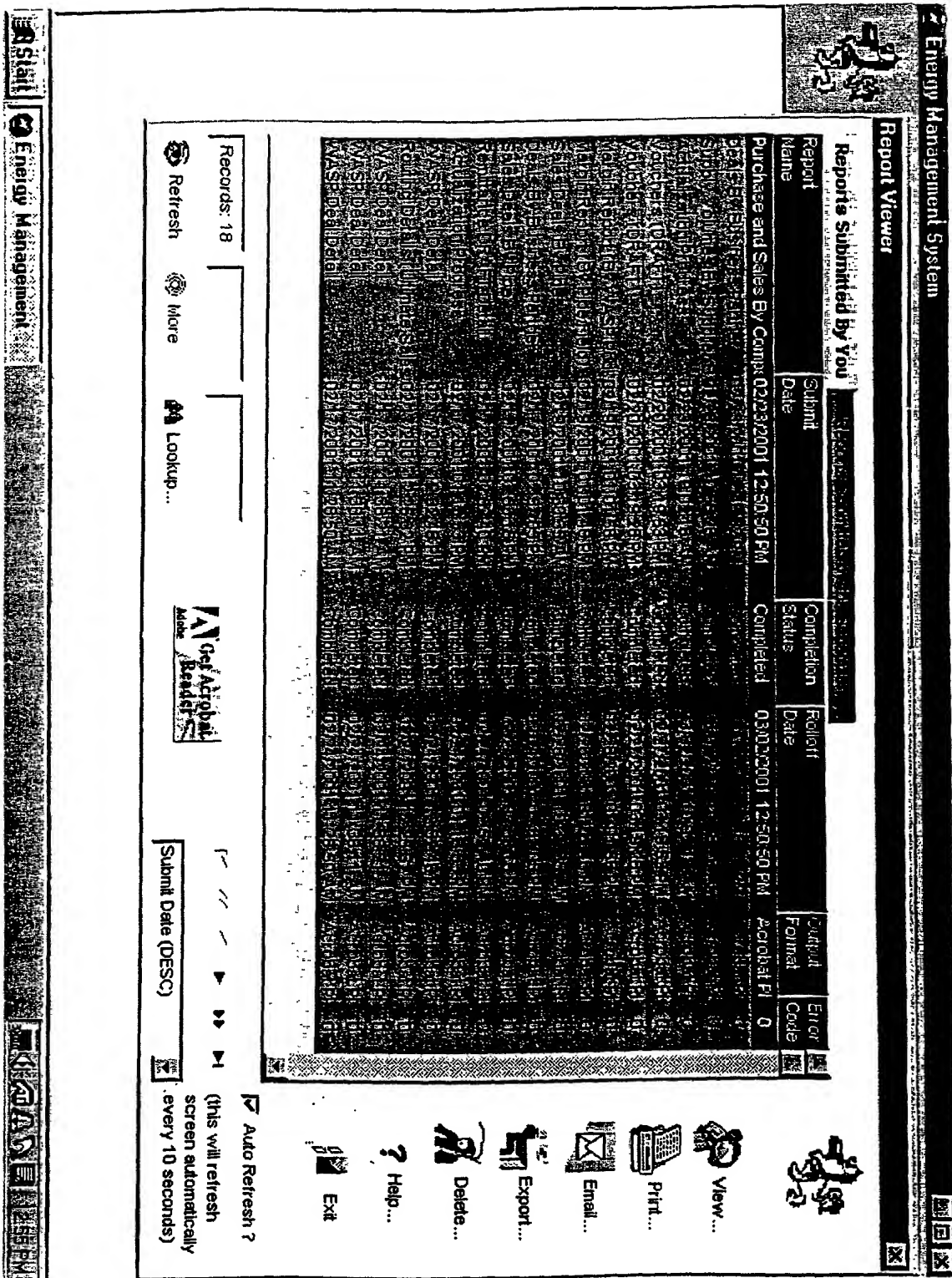


FIG. 4D

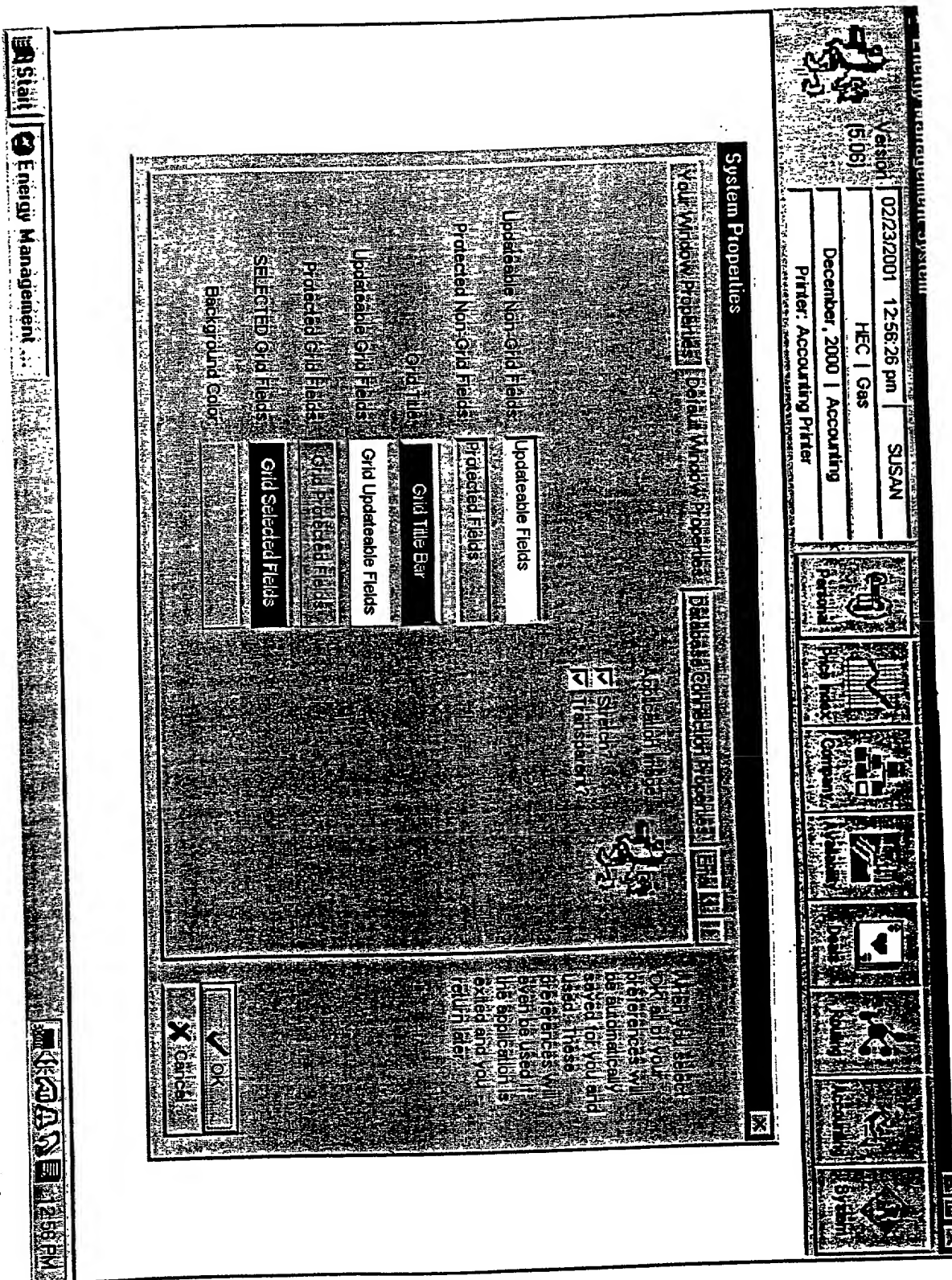


FIG. 4E

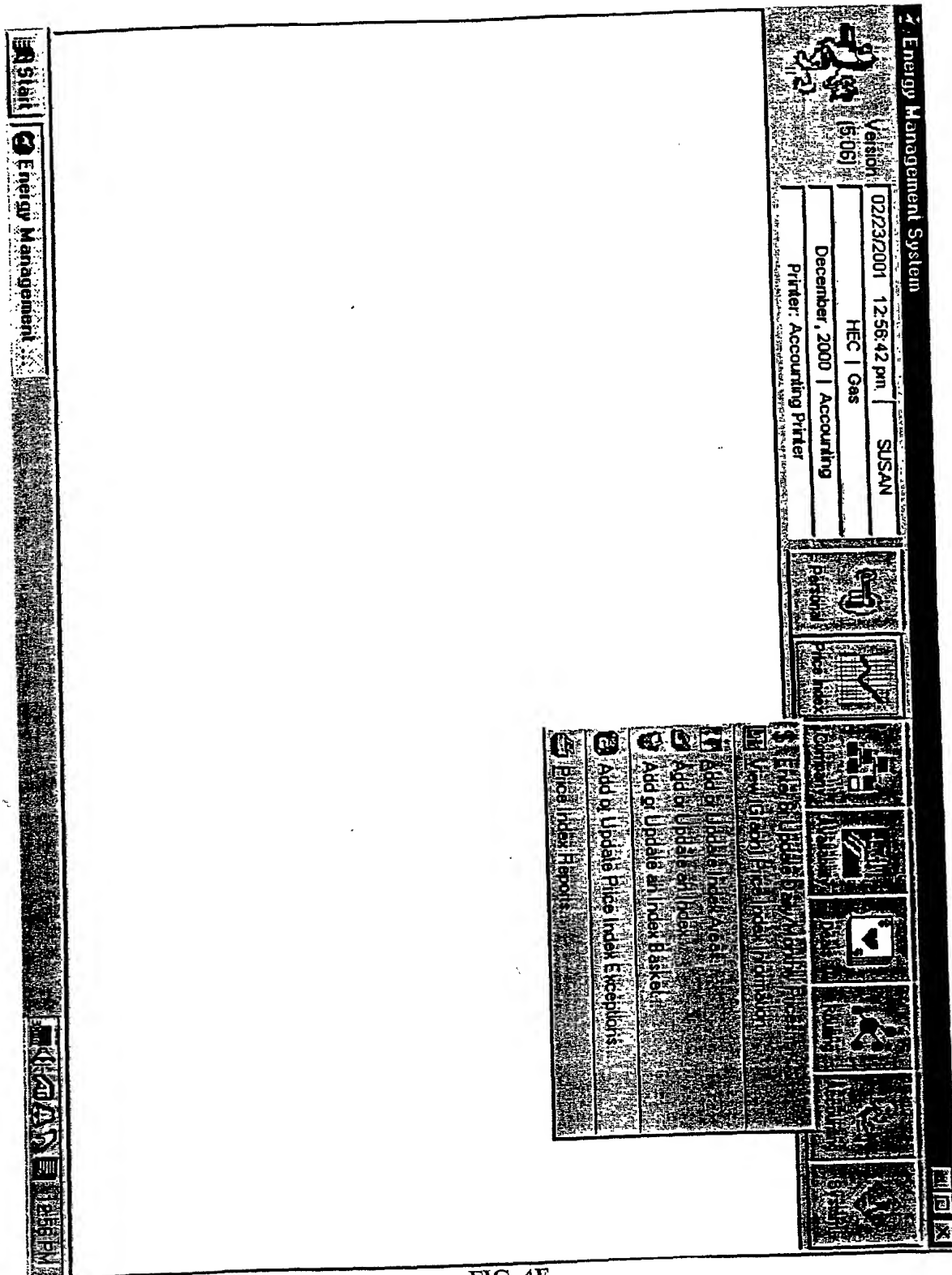


FIG. 4F

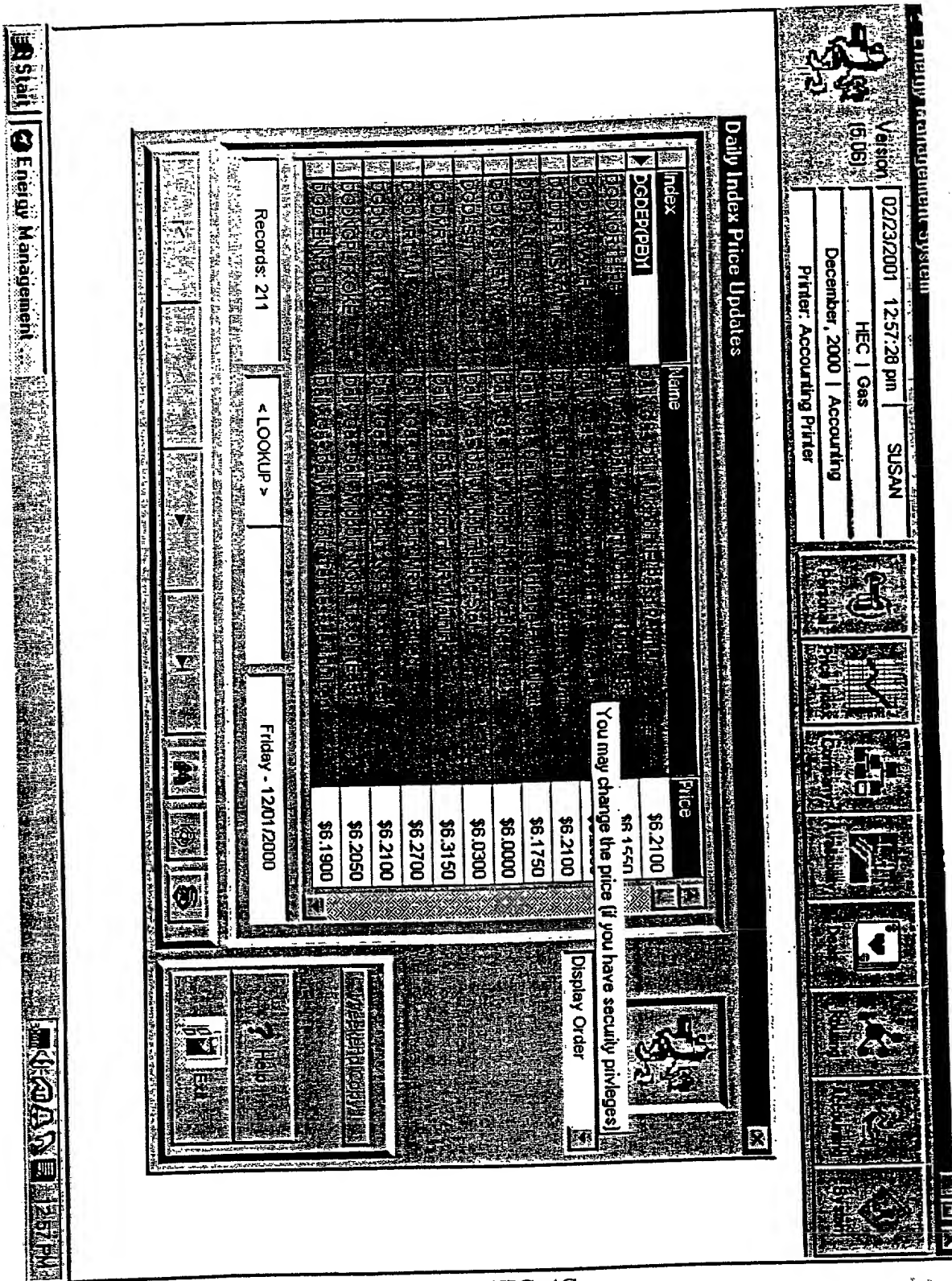


FIG. 4G

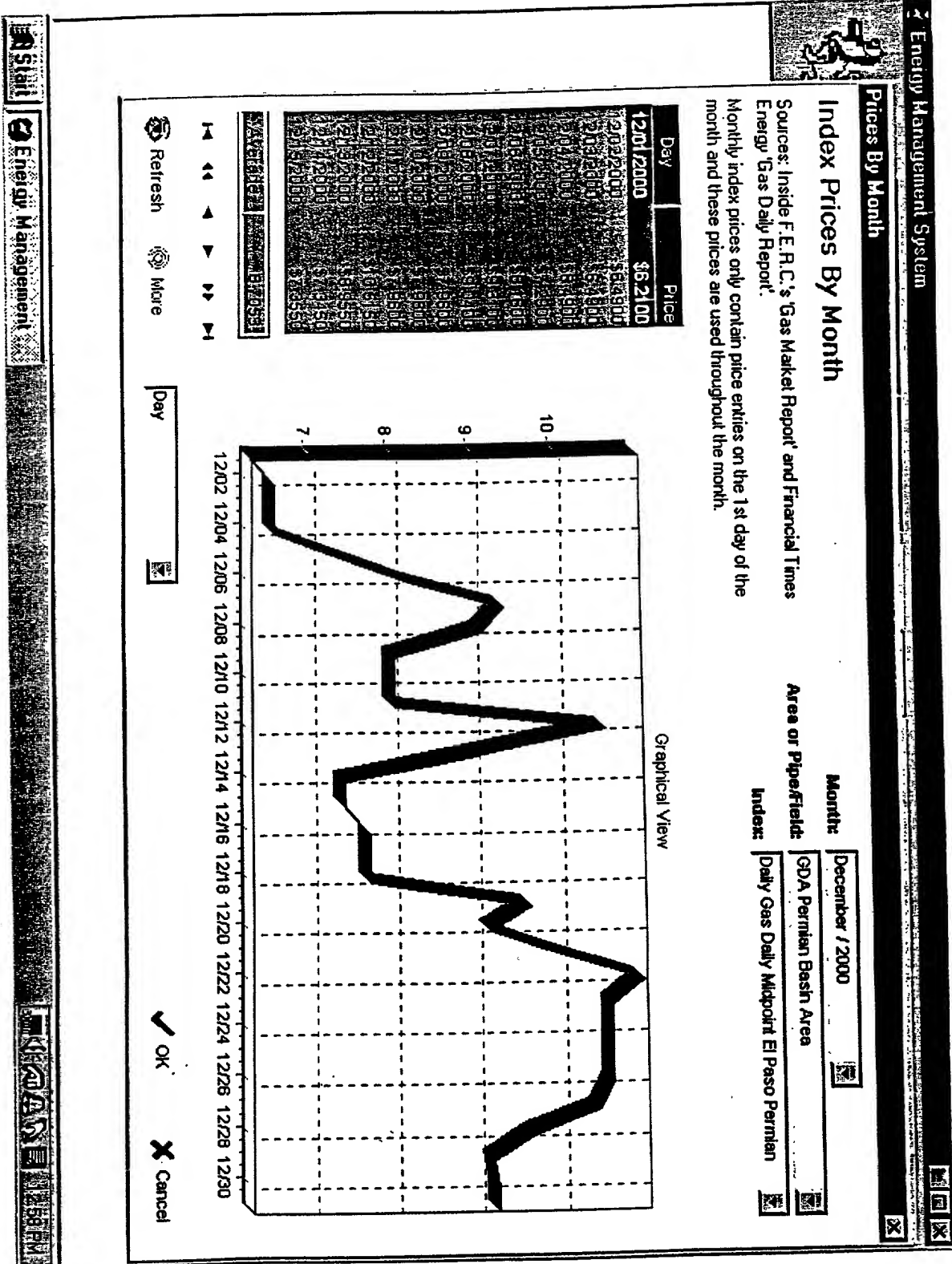


FIG. 4H

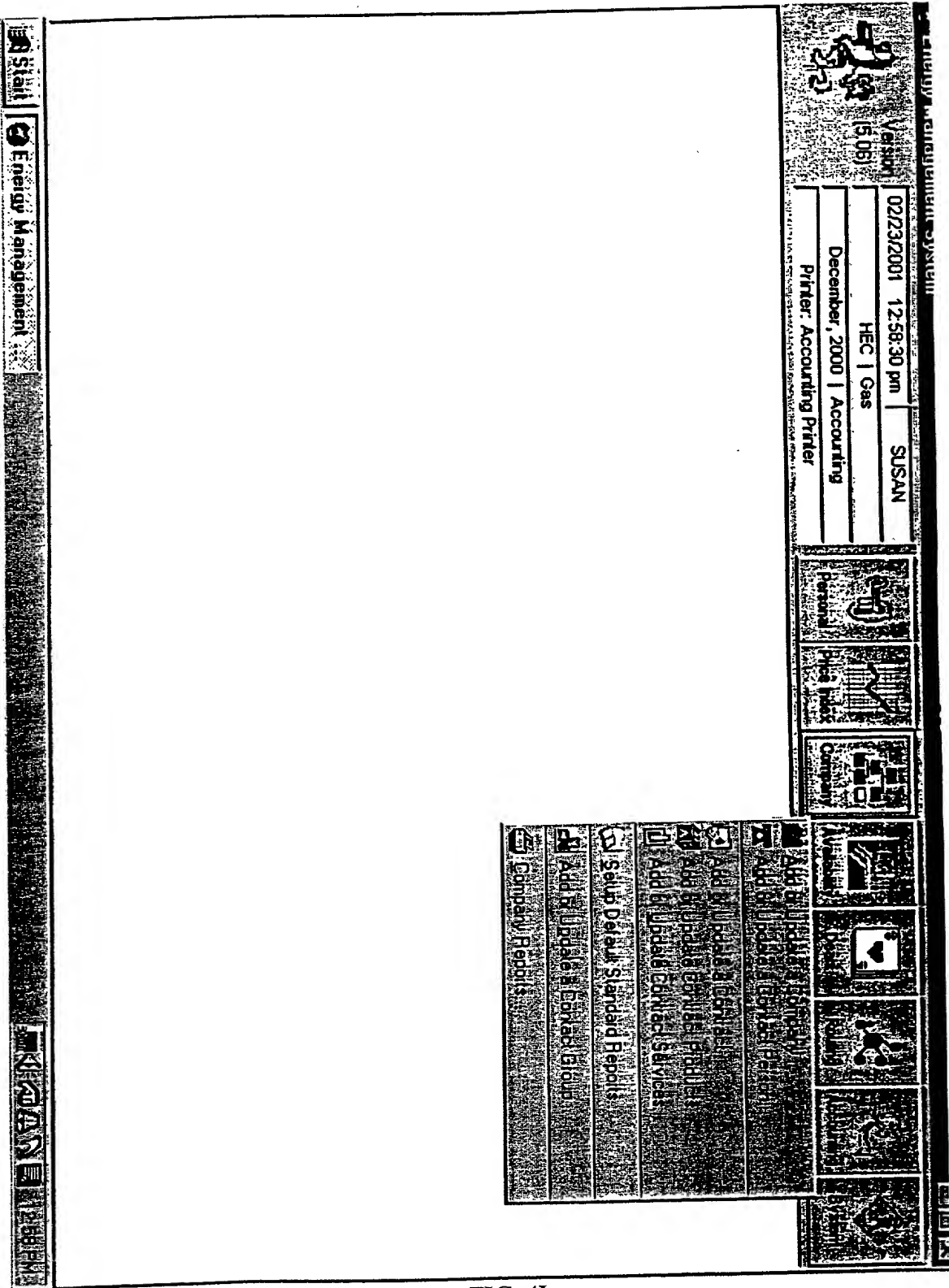


FIG. 41

09895011.123101

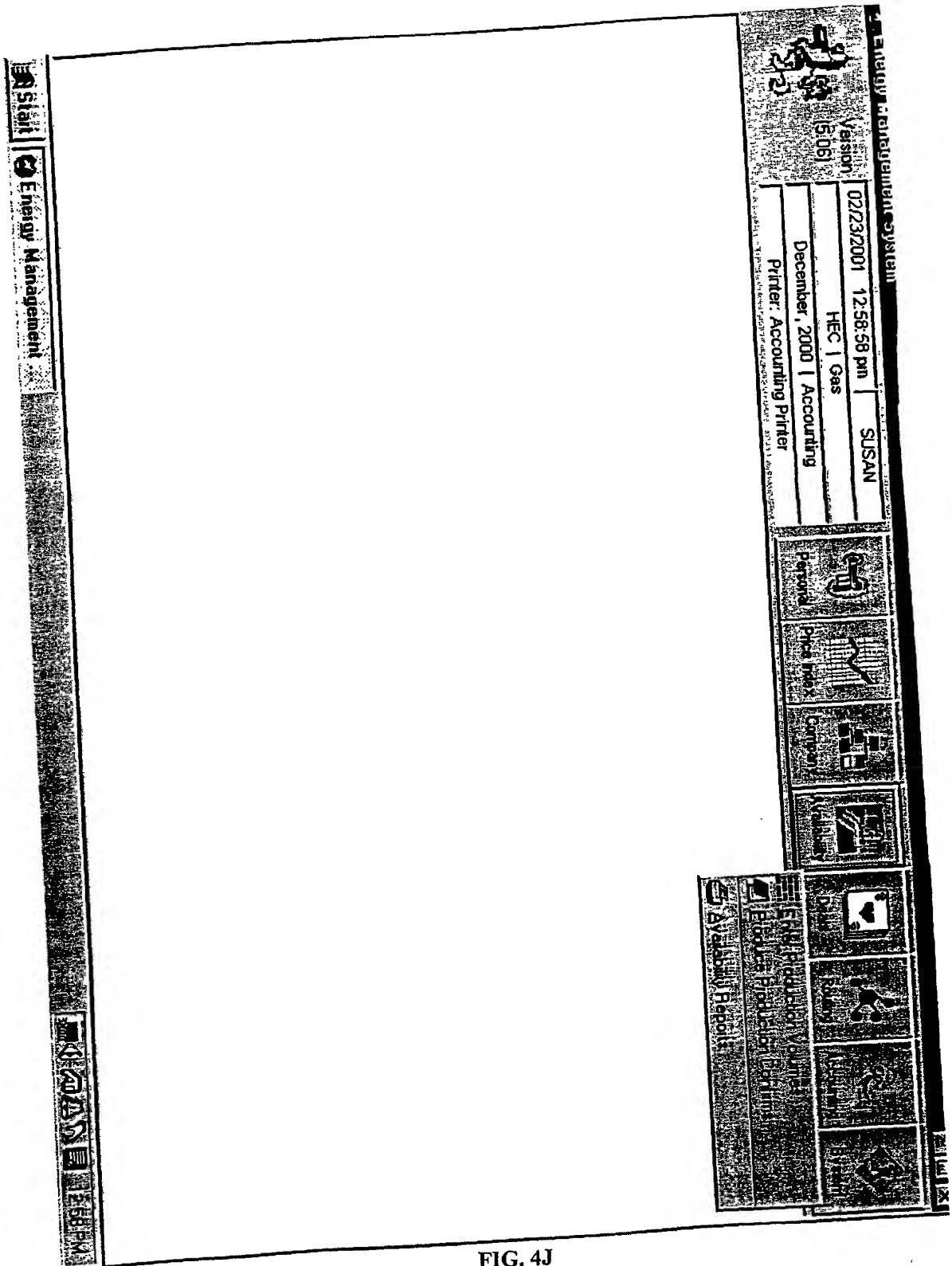
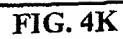


FIG. 4J

09895011.1 123101



Energy Management System		Version: 02/23/2001 01:01:10 pm SUSAN			
(5:06)		HEC Gas			
December, 2000 Accounting					
Deal Details - (Change)					
Deal ID:	66028	Date:	12/23/31 3TEC		
Product:	Gas	Status:	Making		
Month:	December / 2000	Accounting Period:	12/23/2000		
Contact:	3TEC Energy Corporation	Schedule:	12/31/2000		
	3TEC OIL & GAS PURCHASE	Created:	12/31/2000		
Rollover Rules:	Correspondence	Unit Conversion:	Calculation Results	Audit Information	
General:	Janna Calhoun, 713-821-7107				
Oil Contact:	Leslie Vandegriff, 214-954-1430				
Description:	\$5.89* MANUAL NB .99				
Comments:					
Deal Type:	3rd Party	Base Load:	Spot	Ineligible:	
Volume:	IT				
<p>All information relevant to this particular deal is shown on this screen. You have the option of directly changing this information dependent on status of the month.</p>					

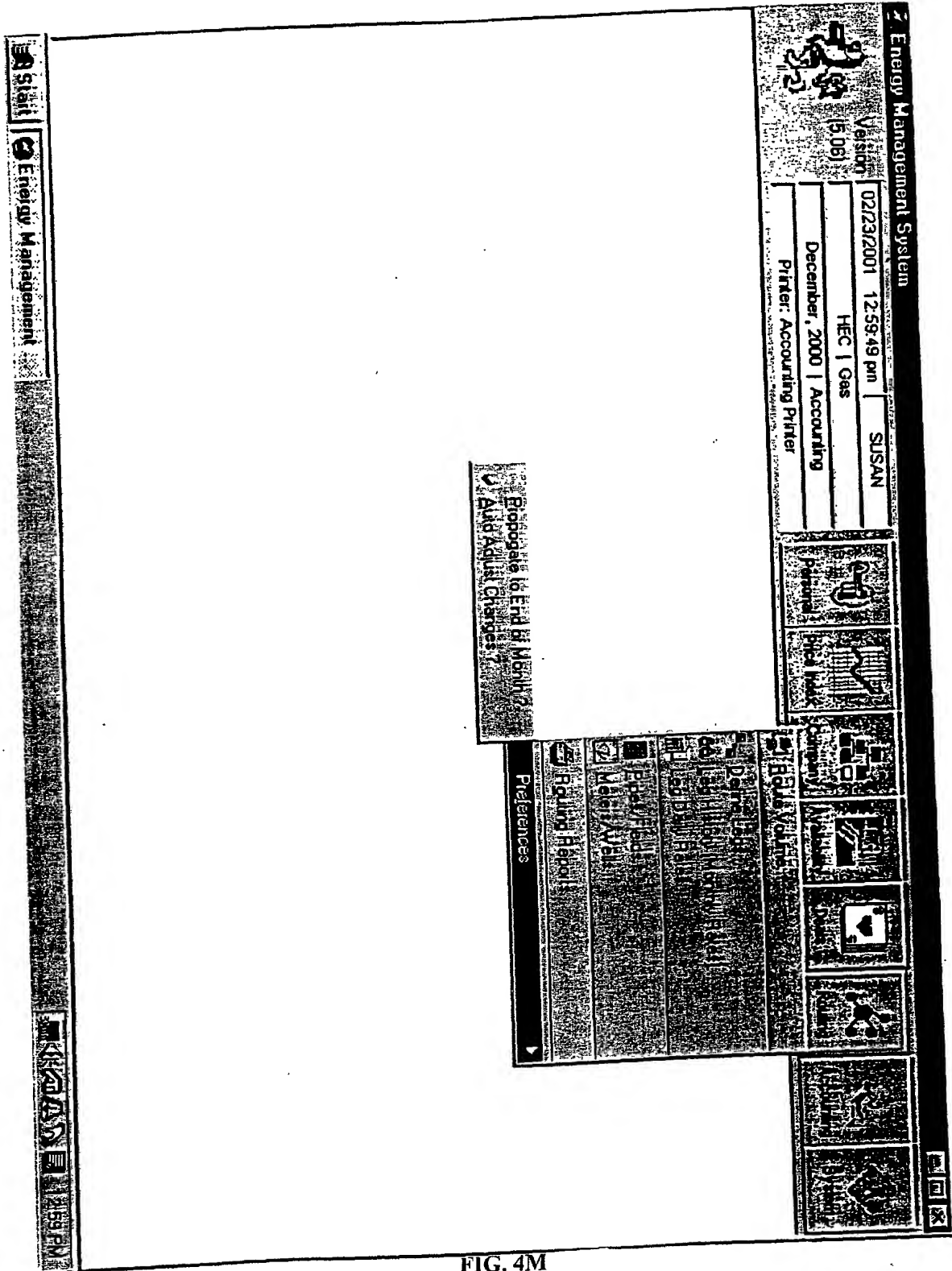


FIG. 4M

09895011.100101

Route Volume
December 2000

Area	Meter/Well	Desc.	Hop	Received	Balance
P2046107	Highland Mainline Pool		1	1,969.00	0.0

Meter/Well

Accounting

Available Transport Pool/Tank Points(s)

Pipe...	Area	Meter/Well	Desc.	Contract	F-Perc.	T-Rate
CGI	P2046107	Highland	0.00	219.00	HEC	

Available Sale Points(s)

Pipe...	Area	Meter/Well	Desc.	Balance	Delivered	S-Com
CGI	P2046107	Highland	0.00	219.00	HEC	

FIG. 4N

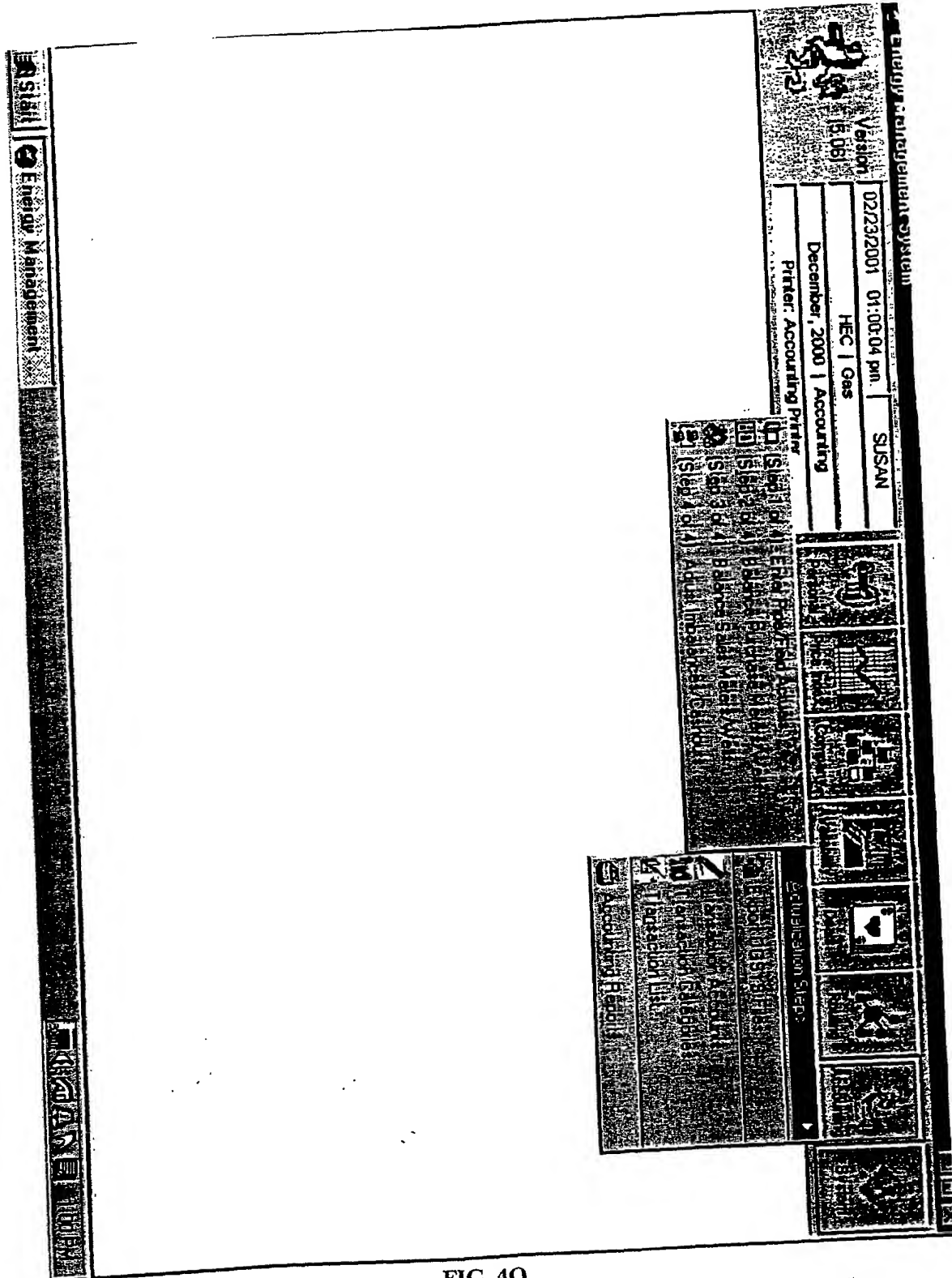


FIG. 40

09895011.123101



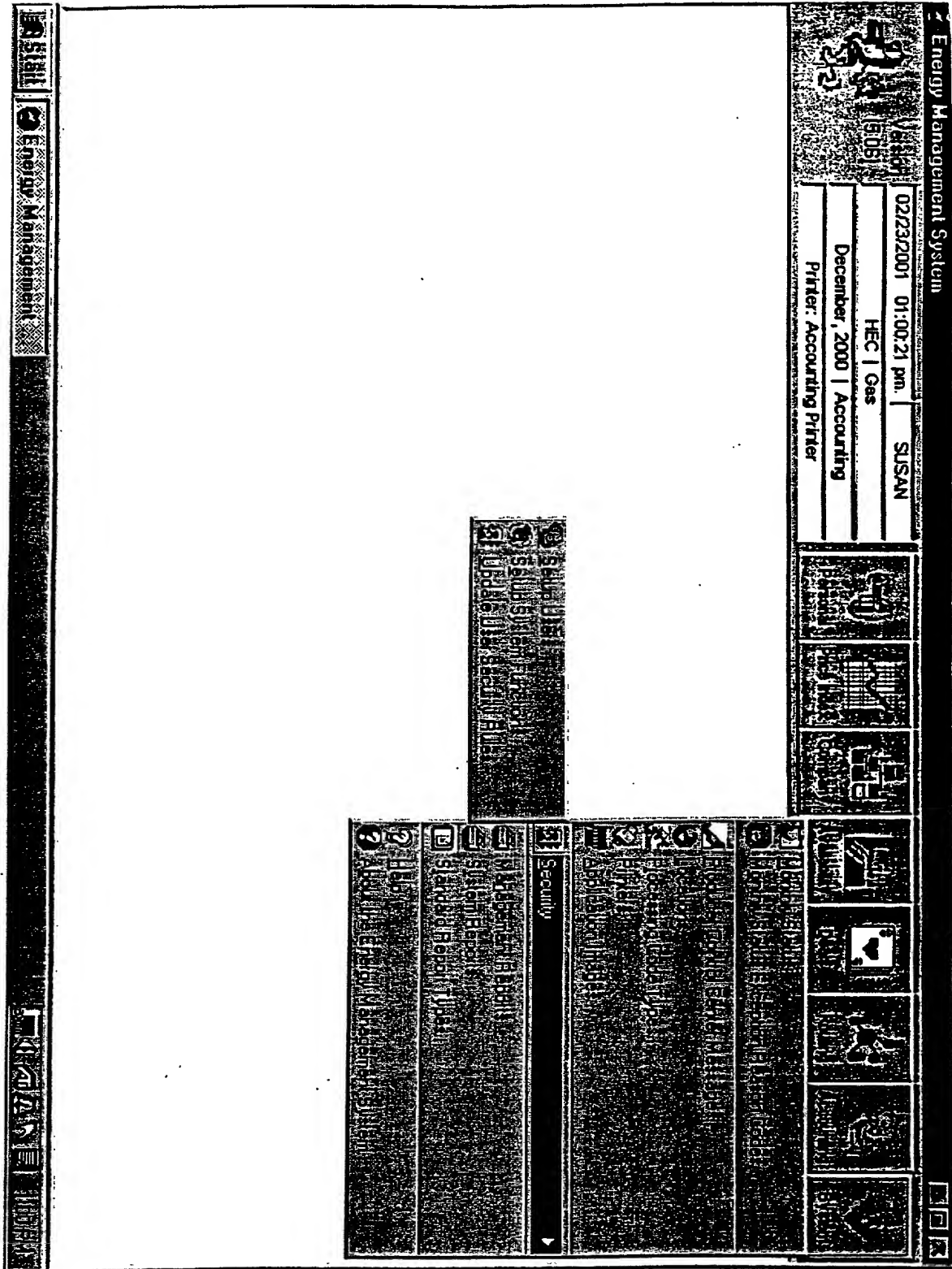


FIG. 4Q

09895011.123101

WASP Calculation Diagram

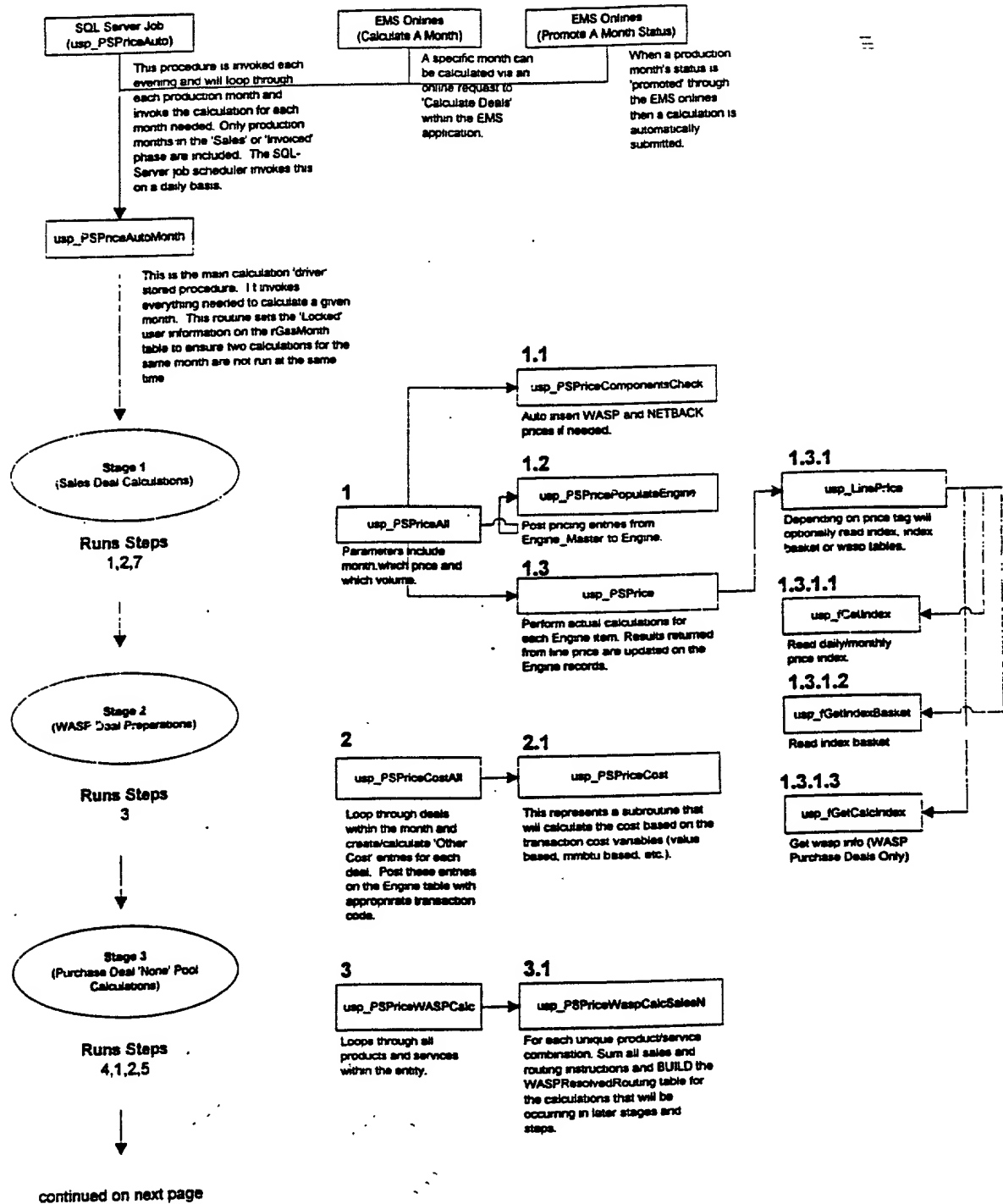


FIG. 5A

WASP Calculation Diagram (2 of 2)

continued from previous page



FIG. 5B